

PROJECT DESCRIPTION

GENERAL
THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL DUE TO UPGRADES OF PEDESTRIAN FACILITIES AT THE INTERSECTION OF MD 3 BUSINESS AND FURNACE BRANCH ROAD IN ANNE ARUNDEL COUNTY.
MD 3B IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA 5 PHASE, FULL TRAFFIC ACTUATED MODE. EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING WILL REMAIN FOR NORHTBOUND MD 3B. CONCURRENT SIDE STREET PHASING WILL ALSO REMAIN.

CONTROLLER REQUIREMENTS
THE EXISTING CABINET AND CONTROLLER WILL BE UTILIZED.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

Lee Starkloff
District Engineer
Phone: 410-841-1010

Kim Tran
Assistant District Engineer - Traffic
Phone: 410-841-1003

Mike Huber
Assistant District Engineer - Utilities
Phone: 410-841-1005

Jamie Folden
Assistant District Engineer - Construction
Phone: 410-841-1004

The Power Company Representative:
Baltimore Gas & Electric
Phone: 410-291-5682

THE CONTACT PERSONS FOR OFFICE OF TRAFFIC AND SAFETY::

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief - Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Team Leader - Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Team Leader - Sign Operations
Phone: 410-787-7676

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

| ITEM NO | QUANTITY | DESCRIPTION |
|---------|----------|-------------|
| NONE | NONE | NONE |

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CONTRACT NO: AX7055168

| ITEM NO. | CATEGORY CODE NO. | QUANTITY | DESCRIPTION |
|----------|-------------------|----------|--|
| 1001 | 114280 | 85 LF | REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH |
| 5005 | 585412 | 170 LF | 12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS |
| 8022 | 862101 | 450 LF | LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG.) |
| 8023 | 862102 | 120 LF | SAW CUT FOR SIGNAL (LOOP DETECTOR) |
| NEG | 805160 | 15 LF | 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT FOR DETECTOR SLEEVE |

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

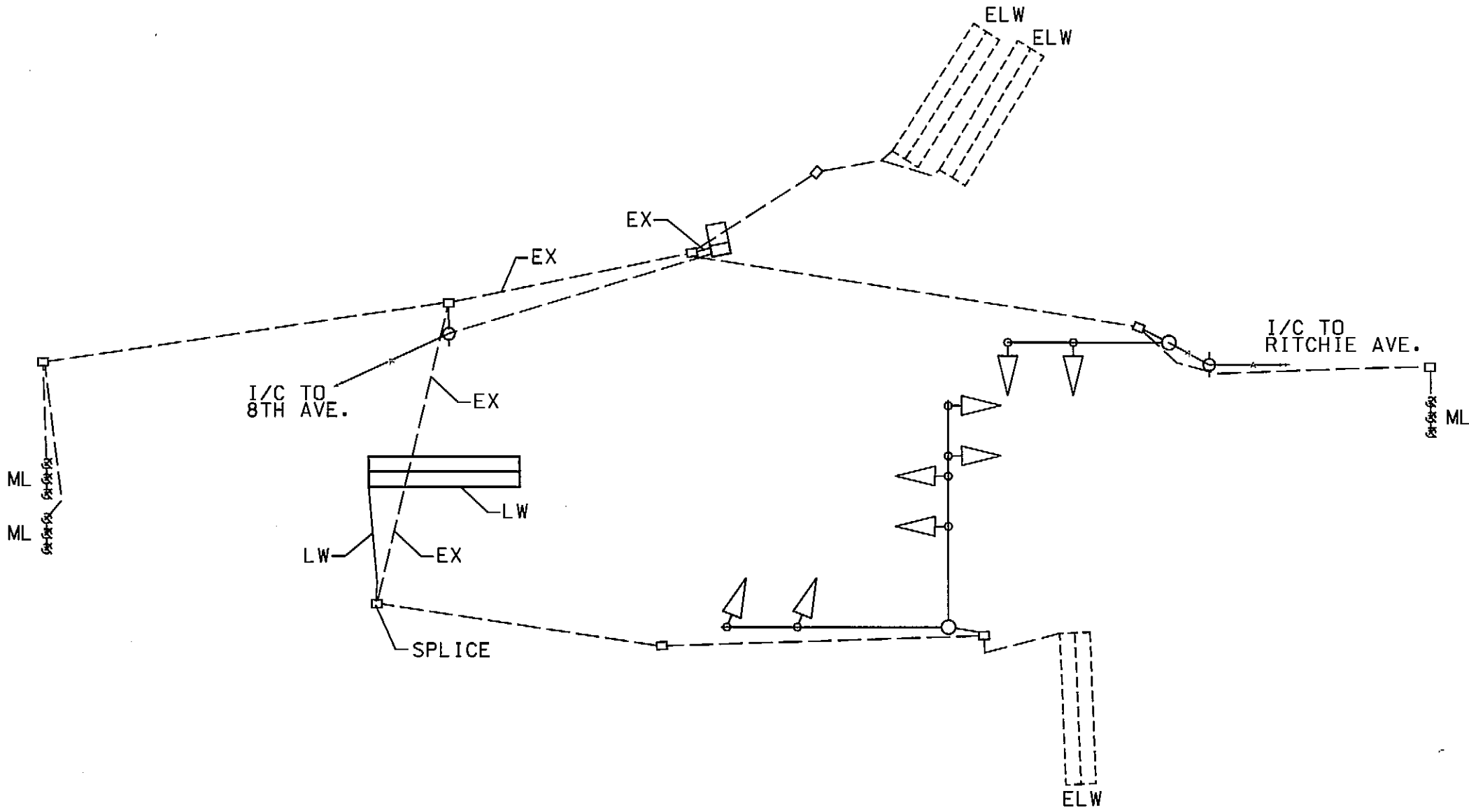
| ITEM NO | QUANTITY | DESCRIPTION |
|---------|----------|-------------|
| NONE | NONE | NONE |

ALL REMOVED MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
|--------------------|---|---|---|---|---|---|---|---|--|
| | | | | | | | | | |
| PHASE 1 & 6 | | | | | | | | | |
| PHASE 1 CHANGE | | | | | | | | | |
| PHASE 2 & 6 | | | | | | | | | |
| PHASE 2 & 6 CHANGE | | | | | | | | | |
| PHASE 4 & 8 | | | | | | | | | |
| PHASE 4 & 8 CHANGE | | | | | | | | | |
| FLASHING OPERATION | | | | | | | | | |

WIRING DIAGRAM



SPLICE - SPLICE PROPOSED LOOP WIRE INTO EXISTING 2 CONDUCTOR AT HANDHOLE
LW - LOOP WIRE (NO. 14 AWG.)
EX - EXISTING 2 CONDUCTOR (ALUMINUM SHIELDED) TO BE UTILIZED
ELW - EXISTING LOOP WIRE
ML - EXISTING MICROLOOP PROBE

RJM ENGINEERING, INC.
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 3 BUSINESS AND FURNACE BRANCH RD
FERNDAL, MD

GENERAL INFORMATION

SCALE N.T.S. ADVERTISED DATE 10/20/09 CONTRACT NO. AX7055168

DESIGNED BY P. WESTCOTT COUNTY ANNE ARUNDEL
DRAWN BY P. WESTCOTT LOGMILE 02003B04.91
CHECKED BY J. RECTANUS TMS NO. J865X
F.A.P. NO. TOD NO.

TS NO. 1501A DRAWING **SG-02** OF 02 SHEET NO. 2 OF 2